



Attorney's Docket No. 44158/209598 (5853-3)

Gp 11637  
# 11/128  
11/19/02  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Evans *et al.* Confirmation No.: 2302  
Appl. No.: 09/829,113 Group Art Unit: 1637  
Filed: April 9, 2001 Examiner: Fredman, Jeffrey Norman  
For: HAPLOTYPING METHOD FOR MULTIPLE  
DISTAL NUCLEOTIDE POLYMORPHISMS

November 8, 2002

Box Non-Fee Amendment  
Commissioner for Patents  
Washington, DC 20231

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RESPONSE UNDER 37 CFR § 1.111

TECH CENTER 1600/2900

Sir:

In response to the Office Action mailed August 16, 2002, reexamination and reconsideration of the above-identified application are requested in view of the following remarks.

REMARKS

The Rejections of the Claims Under 35 U.S.C. § 103 Should Be Withdrawn

Claims 1-16 stand rejected under 35 U.S.C. § 103 over Patel *et al.* (1991) *Nucleic Acids Res.*, 19:3561-3567 in view of Michalatos-Beloin *et al.* (1996) *Nucleic Acids Res.* 24:4841-4843.

This rejection is respectfully traversed.

Patel teaches a multi-step method of determining the haplotype of an individual. Specifically, the method involves the following steps: First, restricted genomic DNA fragments are generated; second, the fragments are circularized; third, the fragment is re-linearized utilizing a second restriction enzyme; and fourth, haplotype is assessed by PCR utilizing Amplification Refractory Mutation System primers.

Michalatos-Beloin teaches a one-step method of haplotype differentiation based on the use of allele-specific primers and the differing size or presence of PCR products depending on